Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/12/2016 12:14 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124695	-1	1.67	124575	1.59
Blue	F	SSC	125000	123260	-2	3.32	123617	3.11
Blue	E	FITC	22946	22588	-2	2.31	1004	9.36
Blue	D	PE	28770	28540	-1	1.88	1027	8.78
Blue	B	PerCP-Cy5-5	51099	50474	-2	3.26	1445	15.19
Blue	A	PE-Cy7	42312	41481	-2	4.92	643	31.97
Red	C	APC	52169	51713	-1	2.74	2975	9.04
Red	A	APC-Cy7	56705	56120	-2	2.78	1161	10.62
Violet	B	V450	14708	14111	-5	4.65	678	9.15
Violet	A	V500	58608	56769	-4	4.42	2520	6.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19761	4.79	593	-5	N/A	N/A	Pass
Blue	F	SSC	61539	1.67	521	3	N/A	N/A	Pass
Blue	E	FITC	113	36.20	530	-1	0.0253	174	Pass
Blue	D	PE	224	26.16	526	0	0.2011	238	Pass
Blue	B	PerCP-Cy5-5	228	40.28	620	-2	0.0129	110	Pass
Blue	A	PE-Cy7	72	105.13	667	-4	0.0147	15	Pass
Red	C	APC	346	26.69	588	-2	0.0228	94	Pass
Red	A	APC-Cy7	127	39.09	572	-4	0.0065	1943	Pass
Violet	B	V450	81	41.01	465	6	0.0478	1808	Pass
Violet	A	V500	183	22.59	494	6	0.0144	354	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.27	-30.92	0.87
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	17.16	13.27 - 19.91	N/A	N/A	31.36	31.49	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9649

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments